



“Typhoon 25 series” Fan Heater User Instructions

Cautions

The Typhoon 25 fan heater series comprises forced air enclosure heaters that use PTC ceramic heating technology. It is designed for reliability and high performance in industrial use.

Operating voltage is 24 V
All powers measured at 10 °C ambient temperature

Application

- For use inside indoor/outdoor equipment to prevent condensation and provide climatic control, e.g. frost protection

Installation

- Installation by trained personnel only.
- Heater must be built into an enclosure.
- Isolate the power supply before installing this unit.
- Leave 20mm clearance for ventilation around the fan heater and 100mm (delta T approx. 50 degrees C) clearance at the hot air outlet.
- Ensure that the unit and its connecting wires are secured and cannot move.
- Do not allow electrical wires to come into contact with the body of the fan heater or directly in front of the hot air outlet.
- Do not mount the heater near any flammable materials.
- If the unit is mounted inside a plastic enclosure, it must comply with UL94-5VA for UL & CUL approval.
- Not suitable for use in wet or permanent corrosive environments.
- A means for disconnection must be provided in the fixed wiring of the system. This must have a contact separation of at least 3mm in all poles, and shall be incorporated in accordance with wiring regulations.
- This equipment must be protected by a fuse. A time delay 'T' fuse may be used to avoid false tripping due to cold starting.

Connection

Heater connection (Blue 24VDC) is to be connected to main supply neutral and live
Live Fan (Red 24VDC) is to be connected to fan supply live
Neutral Fan (Black 24VDC) is to be connected to fan supply neutral.

Operation failure

If the fan inlet becomes blocked, or obstructed the heating elements will self-limit to a safe temperature and reduce its power consumption.

- Isolate the heater from the supply.
 - Allow 15 minutes for the heater to cool.
 - Remove the obstruction
 - Re-establish the power supply.
- > The heater should now function as normal.

Suggested fuse ratings

24VDC operation

Heater Series	Suggested fuse rating (Time delay)
Typhoon 25 – 10 WATT	5A
Typhoon 25 – 20 WATT	5A
Typhoon 25 – 40 WATT	10A

Maintenance

Access to enclosure for maintenance must be by trained personnel only. There are no user serviceable parts inside this unit. Disassembly should not be attempted. Ensure that the fan is not obstructed or blocked.

Warnings

- Do not push down the fan at any time, as it will damage the fan.
- Do not touch the heater during operation, as it will be hot.
- The heater will remain hot for several minutes after the power supply is removed.
- Do not remove the adhesive labels.
- The connection polarities must be strictly adhered to.
- Never work on Live equipment.

Approvals

